

CLAIMS

WHAT IS CLAIMED:

- 217
A17
1. A method for accessing a directory server, the method comprising:
establishing a first plurality of connections between the directory server and a caching daemon;
determining if an application is requesting information from the directory server;
determining if the requested information is stored in the caching daemon in response to determining that the application has requested information; and
sending the requested information to the application.
 2. The method of claim 1, wherein determining if an application is requesting information from the directory server further comprises:
establishing a second connection between the application and the caching daemon;
and
receiving a request for information from the application over the second connection at the caching daemon.
 3. The method of claim 1, further comprising:
retrieving the requested information from the caching daemon in response to determining that the caching daemon has the information stored therein.

4. The method of claim 1, further comprising:
retrieving the requested information from the directory server in response to
determining that the caching daemon has not previously stored the
information.
5. The method of claim 4, further comprising:
storing the information retrieved from the directory server at the caching daemon.
6. An apparatus, comprising:
a directory server for storing information; and
a caching daemon adapted to establish a first plurality of connections to the directory
server, determine if an application is requesting information from the directory
server, determine if the requested information is stored within the caching
daemon; and send the requested information to the application.
7. The apparatus of claim 6, wherein the caching daemon is further adapted to
establish a second connection with the application and receive a request for information from
the application over the second connection.
8. The apparatus of claim 6, wherein the caching daemon comprises:
a data cache adapted to store a subset of the information stored in the directory server;
and
wherein the caching daemon is further adapted to retrieve the requested information
from the data cache in response to determining that the requested information
is part of the subset of information stored therein.

9. The apparatus of claim 6, wherein the caching daemon is further adapted to retrieve the requested information from the directory server in response to determining that the requested information is not stored within the data cache.

10. The apparatus of claim 9, wherein the caching daemon is further adapted to store the requested information retrieved from the directory server in the data cache.

11. An apparatus for accessing a directory server, the apparatus comprising:
means for establishing a first plurality of connections between the directory server and a caching daemon;
means for determining if an application is requesting information from the directory server;
means for determining if the requested information is stored in the caching daemon in response to determining that the application has requested information; and
means for sending the requested information to the application.

12. The method of claim 11, wherein the means for determining if an application is requesting information from the directory server further comprises:
means for establishing a second connection between the application and the caching daemon; and
means for receiving a request for information from the application over the second connection at the caching daemon.

13. The method of claim 11, further comprising:
means for retrieving the requested information from the caching daemon in response
to determining that the caching daemon has the information stored therein.
14. The method of claim 11, further comprising:
means for retrieving the requested information from the directory server in response
to determining that the caching daemon has not previously stored the
information.
15. The method of claim 14, further comprising:
means for storing the information retrieved from the directory server at the caching
daemon.
16. A caching daemon, comprising:
a data cache adapted to store a subset of information from a directory server; and
a controller adapted to establish a first plurality of connections to the directory server,
determine if an application is requesting information from the directory server,
determining if the requested information is stored in the data cache, and send
the requested information to the application.
17. The caching daemon of claim 16, wherein the controller is further adapted to
establish a second connection to the application and receive a request for information from
the application over the second connection.

(The cache requested the information.)

The cache requested information that does not exist in the cache.

The cache requested information that is not in the cache.

Rad

Page 17 of 18